

FILE 'MEDLINE' ENTERED AT 13:03:33 ON 19 DEC 2008

E PARKIN N T/AU

L1 63 S E3-E5  
L2 30 S L1 AND (PROTEASE)  
L3 12 S L2 AND AMPRENAVIR  
L4 2 S L3 AND (HYPERSENSITIB? OR MORE SUSCEPTIBLE OR INCREASED SUSC  
L5 195770 S (HIV OR HUMAN IMMUNODEFICIENCY VIRUS)  
L6 12397 S L5 AND PROTEASE  
L7 566 S L6 AND AMPRENAVIR  
L8 13 S L7 AND (HYPERSENSITIB? OR MORE SUSCEPTIBLE OR INCREASED SUSC  
L9 11 S L8 NOT L4

FILE 'WPIDS' ENTERED AT 13:10:59 ON 19 DEC 2008

E PARKIN N T/IN

L10 31 S E3 OR E4  
L11 17 S L10 AND PROTEASE  
L12 9 S L11 AND AMPRENAVIR  
L13 2 S L12 AND (HYPERSENSITIB? OR MORE SUSCEPTIBLE OR INCREASED SU

#### WEST Search History

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DATE: Friday, December 19, 2008

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=USPT; PLUR=YES; OP=AND</i>	
<input type="checkbox"/>	L20	L19 and (hypersusceptibility or (more adj susceptible) or (increased adj susceptibility))	61
<input type="checkbox"/>	L19	L18 and amprenavir	500
<input type="checkbox"/>	L18	L17 and (protease adj inhibitor\$)	6454
<input type="checkbox"/>	L17	L16 and protease	13730
<input type="checkbox"/>	L16	(human immunodeficiency virus or HIV)	34522
<input type="checkbox"/>	L15	L14 and amprenavir	8
<input type="checkbox"/>	L14	(parkin.in. and neil.in. and t.in.)	14
		<i>DB=PGPB; PLUR=YES; OP=AND</i>	
<input type="checkbox"/>	L12	L11 not L1	31
<input type="checkbox"/>	L11	L10 and (HIV.ti. or (human.ti. adj immunodeficiency.ti. adj virus.ti))	31
<input type="checkbox"/>	L10	L8 and (hypersusceptibility or (more adj susceptible) or (increased adj susceptibility))	368
<input type="checkbox"/>	L8	L7 and amprenavir	1559
<input type="checkbox"/>	L7	L6 and (protease adj inhibitor\$)	10641
<input type="checkbox"/>	L6	L5 and protease	21616
<input type="checkbox"/>	L5	(human immunodeficiency virus or HIV)	43315
<input type="checkbox"/>	L4	L3 and protease.ti.	8

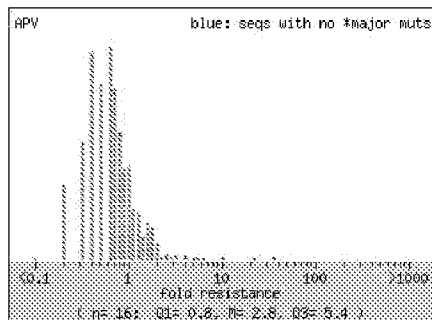
□	L3	L2 and (hypersusceptiblity or more susceptible or increased susceptibility)	21
□	L2	L1 and (protease or amprenavir)	21
□	L1	(neil.in. and parkin.in.)	25

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## Detailed Protease Phenotype Query

Mutations: P38S      References: 13  
 Drugs: APV      Isolates: 23  
 Assay: ANY      Results: 23  
 WithNoOtherMajorMuts: No



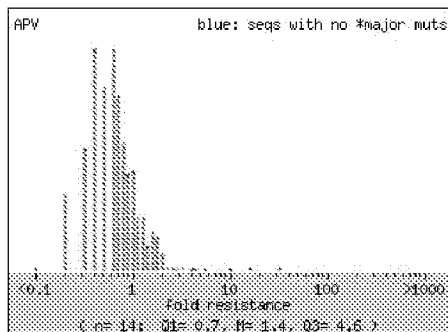
Drug susceptibility results of sequences matching input query are shown in the table below. Literature references are indicated, as well as the isolate name and type and a list of major, minor and other mutations. The fold resistance to the indicated antiretroviral drug is indicated in the last column of the table. Data is also summarized above in graphical format. Blue bars indicate the range of resistance of those sequences with no **major drug resistance mutations** and red bars indicate the fold resistance of sequences matching the input query. The total number of sequences(n), the median fold resistance(m), as well as the first(Q1) and third quartile(Q3) are indicated.

Page 1 from Result 1 to Result 23 from Total 23 Phenotype results

Author (yr)	Type	Isolates	PMajorDRMs	PMInorDRMs	Other	Method	Drug	Fold
Candra (1998)	Clinical	prEW52	L24I, E4V, Y82A	L10I, A71V	R15V, M36I, P39S, E2V, L83P	Candra-86	APV	2.0
Dunne (2001)	Clinical	ALD-pr14	V32I, M46L, Y82A	L10I, A71V	R15V, N87S, P39S, R41K, L83P, V20P	Virologic	APV	3.0
Gonzalez (2001)	Clinical	CA11956	L90M	A71V, G73S	R15V, Q18R, K29I, E36D, M36I, P39S, E2V, L83P, P72L	Virologic	APV	1.4
Dumana (2002)	Clinical	AD-16		L10I	T12K, R15V, L19I, M36I, N87E, P39S, L83S	Virco	APV	0.6
Maguire (2002)	Clinical	SW31886	V32I, I47V	L10I, A71T	T12A, R13V, G16E, P39S, R67K, R44V, P72V, R3L	Virco	APV	2.5
		SW31914	E4M	L33I	L19V, N97Q, P39S, R41K, L83P, V82I, R3L	Virco	APV	4.9
		SW32168	M46M, S50V	L10I, A71T	T12A, R13V, G16E, P39S, R67K, L83P, R44V, P72V, R3L	Virco	APV	5.9
Marcel (2002)	Clinical	A397388031			K14R, L33V, N87T, P39S, R41V, D60E, E2V, R44V	Virco	APV	0.6
Crossman (2004)	Clinical	17746P-115			G16E, K20P, M36I, P39S, R41V, D60E, E2V, L83P	Virologic	APV	0.6

## Detailed Protease Phenotype Query

Mutations: E65D References: 11  
Drugs: APV Isolates: 27  
Assay: ANY Results: 28  
WithNoOtherMajorMuts: No



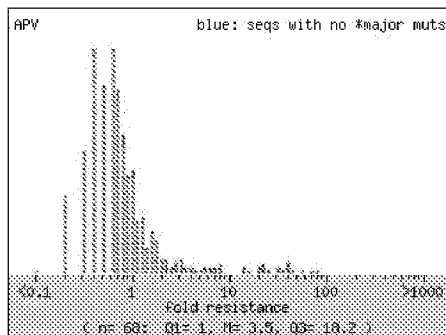
Drug susceptibility results of sequences matching input query are shown in the table below. Literature references are indicated, as well as the isolate name and type and a list of major, minor and other mutations. The fold resistance to the indicated antiretroviral drug is indicated in the last column of the table. Data is also summarized above in graphical format. Blue bars indicate the range of resistance of those sequences with no major drug resistance mutations and red bars indicate the fold resistance of sequences matching the input query. The total number of sequences(n), the median fold resistance(m), as well as the first(Q1) and third quartile(Q3) are indicated.

Page 1 from Result 1 to Result 28 from Total 28 Phenotype results

Author (yr)	Type	Isolates	PMajorMuts	PMInorMuts	Other	Method	Drug	Fold
Vargha (2000)	Clinical	LVMEFE250		L10I, M46V	R13V, G16E, K20R, E35D, M36I, P39T, R41K, R52V, L63T, E65D, E69K, L89M	Viroc	APV	1.5
		LVMP411	M46I		L6F, K14R, I15V, K20R, E36D, M36I, N37D, R41K, R57K, L63T, E65D, L89M	Viroc	APV	0.4
Gonzales (2001)	Clinical	CA35548	Y32I, F53L, I54V, V62S, L90M	L10I, A71V	L33M, E34Q, N37H, Q61E, L63E, I64V, E66D	Virologic	APV	4.2
Kempf (2001)	Clinical	DK-284			R13V, N37SN, E2V, L63HPQ, I64ILM, E66DE, V77I, L89ML	Virologic	APV	0.6
		DK-294			I15V, M36I, R41K, L63P, E66D, V70R	Virologic	APV	0.8
Gumata (2002)	Clinical	AD-18			I15V, E35D, R41K, R57V, Q61N, I64V, E66D	Viroc	APV	0.6
		AD-66			L63P, E66D, R59R	Viroc	APV	0.6
Margol (2002)	Clinical	2877369591	I54L, V62F	L10I, Q68E	R41K, L63T, E66D, I72V, V77I	Viroc	APV	16.1
		4009367301			M36I, N37E, R57K, L63P, I64V, E66D, V70R	Viroc	APV	0.5

## Detailed Protease Phenotype Query

Mutations: H59K References: 17  
Drugs: APV Isolates: 181  
Assay: ANY Results: 182  
WithNoOtherMajorMuts: No



Drug susceptibility results of sequences matching input query are shown in the table below. Literature references are indicated, as well as the isolate name and type and a list of major, minor and other mutations. The fold resistance to the indicated antiretroviral drug is indicated in the last column of the table. Data is also summarized above in graphical format. Blue bars indicate the range of resistance of those sequences with no *major drug resistance mutations* and red bars indicate the fold resistance of sequences matching the input query. The total number of sequences(n), the median fold resistance(m), as well as the first(Q1) and third quartile(Q3) are indicated.

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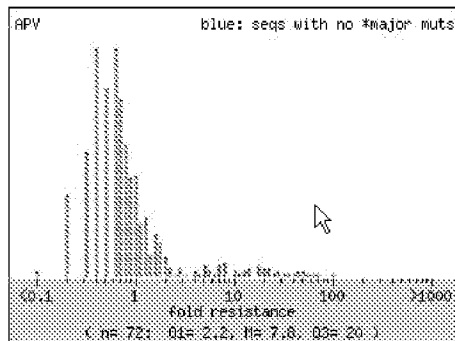
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Author (yr)	Type	Isolates	PMajorMuts	PMinorMuts	Other	Method	Drug	Fold
Varona (2000)	Clinical	LV31HALD		L10I	H3V, G18A, M36I, R41K, D60E, Q81E, C87G, H89K, L89M	Vitro	APV	0.4
		LV45HALD			H3V, K14R, G17E, K20I, M36I, N37S, R41K, S44M, H59K, L89M	Vitro	APV	0.3
		LVMBFE250		L10I, M45V	H3V, G18E, K20R, E36D, M36I, P39T, R41K, S2V, L83T, E86D, H89K, L89M	Vitro	APV	1.5
		LVMP1367			H15V, G18A, M36I, N37D, D60E, Q81E, L83T, C87E, H89K, V77I, L89M	Vitro	APV	0.4
		LVMP560			H15V, G18A, N37D, D60E, Q81E, L83T, C87E, H89K, V77I	Vitro	APV	0.2
		LVMP540		L10I	H3V, E36D, M36I, R41K, P57K, H89K, L89M	Vitro	APV	0.2
Kamal (2001)	Clinical	DK-1884		L10I	H3V, H15V, E36D, M36I,	Virologic	APV	0.8

## Detailed Protease Phenotype Query

Mutations	L89M	References	22
Drugs	APV	Isolates	163
Assay	ANY	Results	163
WithNoOtherMajorMuts	No		



Drug susceptibility results of sequences matching input query are shown in the table below. Literature references are indicated, as well as the isolate name and type and a list of major, minor and other mutations. The fold resistance to the indicated antiretroviral drug is indicated in the last column of the table. Data is also summarized above in graphical format. Blue bars indicate the range of resistance of those sequences with no major drug resistance mutations and red bars indicate the fold resistance of sequences matching the input query. The total number of sequences(n), the median fold resistance(m), as well as the first(Q1) and third quartile(Q3) are indicated.

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Page 1 from Result 1 to Result 100 from Total 163 Phenotype results

Author (yr)	Type	Isolates	PMajorDRMs	PMMinorDRMs	Other	Method	Drug	Fold
Conda (1996)	Clinical	pUW24	I54V, V82F	L10I, L33I	Q18E, V20R, E35D, M36I, N37S, U53P, L89M, I93L	Conda-86	APV	1.0
		pUW36	I54V, V82F, L90M	L10I, L33I	Q18E, V20R, E35D, M36I, N37S, U53P, L89M, I93L	Conda-86	APV	4.0
		pUPW48	M45I, V82F, I84V	L10I, L33I	T112S, I13V, M36I, I64V, L89M	Conda-86	APV	>8.0
Yoshimura (1997a)	Clinical	Yoshi-2	L24I, M45I, I54V, V82A	L10I	I115V, K20R, M36I, I62V, L63P, K70C, L89M	Genetic-PRMC	APV	16.0
Colonna (2001a)	Clinical	V030853	V32I, M45I, V82A, L90M	L10I, Q58E, A71V	I62V, L63P, L89M	Virco	APV	7.0
		V030847	V32I, M45I, I84V	L10I, Q58E, A71V	L39M, E35D, R57K, L63P, V70R, I72X, L89M	Virco	APV	29.0
		V208636	L24I, M45I, I54V, V82A	L10I	L39V, I62V, L63P, I64V, L89M	Virco	APV	6.0
		V213888	L33F, I60V	L10F, T74S	I13V, M45X, U53A, V77I, L89M	Virco	APV	14.0
		V216864	L33F, I54M, L90M	Q58E, G73C	T112Z, L10X, I60E, L63P, V77I, L89M, I93L	Virco	APV	31.0